

CLAIMS

1. Method for feeding an optical fibre cable into a pipeline with the help of an installation device at adjustable speed is characterised by the fact that the engine's operation of a moving coil for the forward feed of the optical fibre cable in the feeding device is regulated by a friction safety clutch, in which the optical fibre cable's forward feed by means of the moving coil can be impeded if resistance in the pipeline increases, and damage of the cable can be prevented.
2. Method under Patent Claim 1 is characterised by the fact that the operation of the friction safety clutch can be regulated in order to adjust it to the optical fibre cable used and fed into the pipeline, and to the pipeline used, in order to prevent the cable's damage.
3. Method under Patent Claim 1 is characterised by the fact that the supply of compressed air to the installation device for the forward feed of the optical fibre cable can be regulated in such a way as to prevent the cable's damage.
4. Arrangement in which an installation device with adjustable speed is used in order to feed an optical fibre cable into a pipeline is characterised by the fact that the engine provided for the feeding of an optical fibre cable into the feeding device has been equipped with a

friction safety clutch 17 for controlled motion of a moving coil 18, 23 which can impede the forward movement of the optical fibre cable.

5. Arrangement under Patent Claim 4 is characterised by the fact that the operation of the friction safety clutch can be controlled and regulated by pressing the contact surfaces 19, 20, with the help of adjustment screws 22, against the moving coil 18 in order to impede its motion and stop the advancement of the optical fibre cable altogether if the progress of the cable in the pipeline has been obstructed.
6. Arrangement under Patent Claim 5 is characterised by the fact that the contact surfaces 19, 20 are made of low-friction material and have been devised to operate on both sides of the moving coil 18.
7. Arrangement under Patent Claim 4 is characterised by the fact that the operation of the friction safety clutch is controlled with the help of an adjustment screw (26) which regulates the spring power of a spring 24 operating on a plate 25 which presses against the moving coil 23 and impedes the motion of the moving coil, stopping the advancement of the optical fibre cable altogether if the progress of the cable in the pipeline has been obstructed.
8. Arrangement under Patent Claim 7 is characterised by the fact that the moving coil 23 is made of low-friction material and the plate 25 has been designed in such a way that it presses the moving coil against the end of the driving

axle (16).

9. Arrangement under Patent Claim 4 is
c h a r a c t e r i s e d by the fact that the engine
(15) is electrically driven.
10. Arrangement under Patent Claim 4 is
c h a r a c t e r i s e d by the fact that the
engine 15 is air-operated.
11. Arrangement under Patent Claim 4 is
c h a r a c t e r i s e d by the fact that the
installation device is supplied with compressed air
through a hollow space 10 so that the pipeline can
be connected to the installation device and the
optical fibre cable fed into the pipeline.
12. Arrangement under Patent Claim 11 is
c h a r a c t e r i s e d by the fact that
compressed air supplied for the advancement of the
optical fibre cable can be regulated by, for example,
an adjustment screw 12.
13. Arrangement under Patent Claim 4 is
c h a r a c t e r i s e d by the fact that a
revolution counter 30 is connected to a measuring
wheel (31) which runs along the optical fibre cable,
registering the length of the cable which has been
fed into the pipeline.
14. System under Patent Claim 13 is
c h a r a c t e r i s e d by the fact that the
measuring wheel 31 is spring-loaded and can
regulate the pressure exerted on the optical fibre
cable fed into the pipeline.
15. Arrangement under any of Patent Claims 4 - 14 is
c h a r a c t e r i s e d by the fact that the
installation device has been supplied with a remote

control 34 which can be operated from a distance.